

Amendment to the Claims:

This listing of claims will replace all versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A wireless voice over Internet Protocol telephone, comprising:

a wireless handset that comprises a wireless personal area network transceiver configured to communicate with a wireless personal area network, a wireless local area network transceiver configured to communicate with a wireless local area network, and a selecting device for selecting between the wireless personal area network transceiver and the wireless local area network transceiver;

wherein the wireless handset is in voice communication with a controller, the controller is configured to communicate with a base station coupled to the wireless personal area network and an access point coupled to the wireless local area network;

wherein the selecting device selects the wireless personal area network transceiver for routing the voice communication through the wireless personal area network when the wireless personal area network transceiver detects a wireless personal area network connection, otherwise the selecting device selects the wireless local area network transceiver;

wherein the selecting device is configured to send a signal to the controller via the wireless local area network transceiver to route the voice communication for the wireless handset through the wireless local area network responsive to the wireless personal area network transceiver being unable to detect a wireless personal area network connection; and

wherein the selecting device is configured to send a signal to the controller via the personal area network transceiver to route the voice communication for the wireless handset through the wireless personal area network responsive to reestablishing a connection with the wireless personal area network.

2. (Previously Presented) The wireless voice over Internet Protocol telephone of claim 1, further comprising a base station that comprises a wireless personal area network

transceiver for communicating with the wireless personal area network transceiver of the wireless handset.

3. (Original) The wireless voice over Internet Protocol telephone of claim 2, the base station further comprising a network interface card, wherein the base station notifies a wireless local area network when a wireless personal area network signal from the wireless handset is not detected.

4. (Original) The wireless voice over Internet Protocol telephone of claim 2, wherein the wireless personal area network transceiver of the base station is a Bluetooth transceiver and the wireless personal area network transceiver of the wireless handset is a Bluetooth transceiver.

5. (Original) The wireless voice over Internet Protocol telephone of claim 2, wherein the wireless personal area network transceiver of the base station is an infrared transceiver and the wireless personal area network transceiver of the wireless handset is an infrared transceiver.

6. (Previously Presented) The wireless voice over Internet Protocol telephone of claim 2, wherein the controller is a phone controller that is communicatively coupled to at least one access point over a local area network, and to the base station.

7. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless local area network transceiver is an 802.11x transceiver.

8. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless personal area network transceiver is an infrared transceiver.

9. (Original) The wireless voice over Internet Protocol telephone of claim 1, wherein the wireless personal area network transceiver is a Bluetooth transceiver.

Claims 10 - 13 (Canceled)

14. (Currently Amended) A method for a wireless handset to send and receive voice over Internet Protocol using a wireless voice over Internet Protocol telephone, comprising the steps of:

establishing a wireless voice communication employing voice over Internet Protocol packets with a telephone controller through a base station via a wireless personal area transceiver;

determining when the wireless handset is out of range of the base station;

activating a wireless local area network transceiver by the wireless handset responsive to determining the wireless handset is out of range of the base station;

notifying the telephone controller to send subsequent voice over Internet Protocol packets for the voice communication to the wireless handset via a wireless local area network in data communication with the wireless local area network transceiver responsive to determining the wireless handset is out of range of the base station by sending a signal to the telephone controller via the wireless local area network transceiver; and

notifying the telephone controller to send subsequent voice over Internet Protocol packets for the voice communication to the wireless handset via the base station responsive to determining the wireless handset has moved within range of the base station by sending a signal to the telephone controller through the base station via the wireless personal area transceiver.

15. (Original) The method of claim 14 wherein the wireless local area network transceiver is at a remote location and communicatively coupled to the base station.

16. (Original) The method of claim 14, further comprising the step of establishing a communications channel between a base station and a wireless handset using the wireless personal area network transceiver.

17. (Original) The method of claim 16, wherein the wireless personal area network transceiver is a Bluetooth transceiver.

18. (Original) The method of claim 16 further comprising authenticating the wireless handset by the base station.

19. (Original) The method of claim 18, wherein the wireless local area network transceiver is an 802.11x transceiver.

Claims 20 - 33. (Canceled)

34. (Currently Amended) An apparatus, comprising:
a wireless handset configured for voice over Internet Protocol communications;
means for establishing a voice communication with a phone controller employing voice over Internet Protocol with an associated base station;
means for determining when the wireless handset is out of range of the associated base station associated with the wireless handset;
means for activating a wireless local area network transceiver responsive to determining that the wireless handset is out of range of the base station;
wherein the wireless local area network transceiver comprises means for notifying the phone controller to send subsequent voice over Internet Protocol packets for the voice communication to the wireless handset via a local area network communicatively coupled to the wireless local area network transceiver responsive to determining that the wireless handset is out of range of the base station;
wherein the means for establishing a voice communication with a phone controller employing voice over Internet Protocol with an associated base station further comprises means for notifying the phone controller to send subsequent voice over Internet Protocol packets to the wireless handset via the base station responsive determining that the wireless handset has moved within range of the base station; and
means for switching the wireless local area network transceiver to a power save state responsive to the wireless handset moving within range of the base station.

35. (Previously Presented) The apparatus of claim 34, wherein the means for communicating with an associated base station comprises a Bluetooth transceiver.

36. (Previously Presented) The apparatus of claim 34, wherein the wireless local area network transceiver is an 802.11x transceiver.

37. (Previously Presented) The apparatus of claim 34, further comprising means for switching the wireless local area network transceiver to a power save mode responsive to the means for determining when the wireless handset is out of range of the associated base station associated with the wireless handset determining the wireless handset has moved within range of the base station.

38. (Previously Presented) The wireless voice over Internet Protocol telephone of claim 1, further the wireless local area network transceiver is configured to switch to a power save state while the wireless handset is communicating with the controller through personal area network transceiver.